**INFORMATION DISCLOSURE CITATION** PTO-1449

Atty. Docket No. 042132 Serial No. 10/811,142

Applicant(s):

Kyoya FUKUDA et al.

Filing Date: March 29, 2004

Group Art Unit: 2828

| U.S. PATENT | DOCUMENTS |
|-------------|-----------|
|-------------|-----------|

| Examiner<br>Initial |    | Document No. | Name  | Date | Class | Subclass | Filing Date<br>(If appropriate) |
|---------------------|----|--------------|-------|------|-------|----------|---------------------------------|
|                     | AA | 80           |       |      |       |          |                                 |
|                     | AB | JUL 0 8 2004 | 7 2/2 |      |       |          |                                 |

OREIGN PATENT DOCUMENTS

| Examiner<br>Initial |    | Document No. | Date       | Country | Translation<br>(Yes or No)                   |
|---------------------|----|--------------|------------|---------|--|
| RBY                 | AC | 10-284772    | 10/23/1998 | Japan   | Yes (Abstract Only), see page 6 in the spec. |
| RBY                 | AD | 2001-285064  | 10/12/2001 | Japan   | Yes (Abstract Only), see page 6 in the spec. |
| RBY                 | AE | 2002-76890   | 03/15/2002 | Japan   | Yes (Abstract Only), see page 6 in the spec. |

OTHER DOCUMENTS

| Examiner<br>Initial |     |  | cited page in the spec. |
|---------------------|-----|--|-------------------------|
| RB\$                | AF  | Talvitie, H. et al., "Frequency stabilization of a diode laser to Doppler-free spectrum of molecular iodine at 633nm", Optics Communications, 152 (Elsevier Science B.V.), pp. 182-188 (June 15, 1998)   | Pages 1, 10             |
| RBY                 | AG  | Ohshima, S., et al., "Spectral width of saturated absorption spectra of Cs with a laser diode", IEEE Journal of Quantum Electronics, Vol. QE-23, No. 5, pp. 473-475 (May 1987)   | Page 1                  |
| RBY                 | АН  | Tanaka, U. et al., "Frequency stabilization of diode laser using external cavity and Doppler-Free atomic spectra", Japanese Journal of Applied Physics, Vol. 33, Part 1, No. 3B, pp. 1614-1622, (March 1994)                                       | Page 1                  |
| RBF                 | AI  | Li, R. N. et al., "Frequency-stabilization of a diode laser with ultra-low power through linear selective reflection", Optics Communications, 146 (Elsevier Science B.V.), pp. 186-188 (January 15, 1998)  | Page 1                  |
| RBY                 | AJ  | Briaudeau, S. et al., "Coherent Doppler narrowing in a thin vapor cell: Observation of the Dicke regime in the optical domain", Physical Review A, Vol. 57, No. 5 (The American Physical Society), pp. R3169-R3172 (May 1998)                      | Page 2                  |
| RBY                 | AK  | Izmailov, A. C., "Manifestations of sub-Doppler structure of the spectral lines of gas particles in the radiation of a traveling monochromatic pump wave" Opt. Spectrosc. 74 (1), 41-48 (The Optical Society of America), pp. 25-29 (January 1993) | Page 2                  |
| RBS                 | AL  | Tachikawa, M. et al., "Sub-Doppler spectroscopy of Cs atoms optically pumped in a thin cell", Japanese Journal of Applied Physics, Vol. 37, Part 2, No. 12B, pp. L1556-L1559 (December 1998)   | Page 2                  |
| RBL                 | AM  | OTAKE, M. et al., "High-resolution spectroscopy of velocity-selected atoms in a thin cell", Applied Physics B - Lasers and Optics, 74, pp. 503-508 (2002)  | Page 2                  |
| Examiner            | Ros | Date Considered $2/13/66$  |                         |

| <b>INFORMATION</b> |
|--------------------|
| <b>DISCLOSURE</b>  |
| <b>CITATION</b>    |
| PTO-1449           |

Atty. Docket No. 042132

Serial No. 10/811,142

Applicant(s):

Kyoya FUKUDA et al.

SEP 1 0 200

Filing Date: March 29, 2004

Group Art Unit: 2828

## **U.S. PATENT DOCUMENTS**

| Examiner<br>Initial |    | Document No. | Name | Date | Class | Subclass | Filing Date (If appropriate) |
|---------------------|----|--------------|------|------|-------|----------|------------------------------|
|                     | AA |              |      |      |       |          |                              |
|                     | AB |              | \    |      |       |          |                              |
|                     | AC |              |      |      |       |          |                              |
|                     | AD |              |      |      |       |          |                              |
|                     | AE |              | \    |      |       |          |                              |

## FOREIGN PATENT DOCUMENTS

| Examiner<br>Initial |    | Document No. | Date | Country | Translation (Yes or No) |
|---------------------|----|--------------|------|---------|-------------------------|
|                     | AF |              |      |         |                         |
|                     | AG |              |      |         |                         |
|                     | АН |              |      |         |                         |
|                     | AI |              |      |         |                         |
|                     | AJ |              |      |         |                         |

## **OTHER DOCUMENTS**

| Examiner<br>Initial |     |   | cited page in the spec. |
|---------------------|-----|---|-------------------------|
| 311406<br>BBA       | AK  | Nakagiri et al, "Technical Report for Study of Electrical Wave", Denpa Kenkyu Gihou, Vo.29, No.149 (February 1983), pp 97-115 (English language translation of highlighted portions only) | Page 6                  |
| Rey                 | AL  | Izmailov, A. et al., "On Sub-Doppler absorption resonances based on optical pumping and transit of atoms in a thin cell", Laser Physics Vol. 14, No. 1 (2004), pp. 30-38                  | Page 12                 |
| Examiner            | Rey | Date Considered   | 2/13/06                 |